

EROSION, SEDIMENT AND POLLUTION CONTROL PLAN

GENERAL NOTES

Revised November 18, 2003
ESPCP GENERAL NOTES:

The Erosion Control Plan is provided by the Department. If the Contractor elects to alter the stage construction from that shown in the plans, it will be the responsibility of the contractor to revise the erosion control plans to reflect all changes in staging. This will also include any revisions to erosion and sedimentation control item quantities.

Stabilization Measures

As a minimum the Contractor shall complete the permanent grassing, or temporary grassing and mulching, as appropriate, on all cut and fill slopes on a weekly basis during grading operations, except projects with a total of 3 acres or less of grassing may be treated every two weeks. When conditions warrant, the Engineer may require more frequent intervals for this work. It is extremely important to get a cover, whether it is mulch, temporary grass or permanent grass. Adequate mulch is a must.

When grading operations or other soil disturbing activities have been suspended, for whatever reason, the Contractor shall promptly perform needed grassing work and/or erosion control work as shown in the plans, submitted by the Contractor or as directed by the Engineer.

Temporary grass shall be used when required by the specifications or as directed by the Engineer to control erosion in areas where permanent grassing cannot be planted. Temporary grass shall be used where an area must be protected for longer than mulch is expected to last which is 60 calendar days. After 60 calendar days, areas with only mulch shall be planted in temporary grass and mulched again.

Temporary grass shall be a quick growing species suitable to the area and season. Seeds shall conform to the requirements of current specifications and or special provisions. Seeding shall be done in accordance with the requirements of current specifications and or special provisions, except that ground preparation shall be the minimum required to provide a seed bed where further grading will be required. Areas that require no further grading shall be prepared in accordance with current specifications and or special provisions. Lime shall be omitted unless the area will later be planted in permanent grass without further grading; in which case, lime will be applied according to current specifications and or special provisions, mixed grade, shall be applied at the rate of 400 pounds per acre. Nitrogen shall be omitted. All temporary grass shall be mulched in accordance with current specifications and or special provisions.

All areas where temporary grass has been planted shall be prepared in accordance with current specifications and or special provisions prior to planting permanent grass.

Where stage construction (or other conditions not controlled by the Contractor) prohibits the completion of a roadway section in a continuous manner, the Contractor shall apply mulch to control erosion for a period of 60 calendar days or less.

Areas stabilized with only mulch shall be planted with temporary grass and mulched again after 60 calendar days.

Mulch shall be uniformly spread over the designated areas from 2 inches to 4 inches thick. After spreading, mulch shall be walked in with a tracked vehicle (preferred method), empty sheep foot rollers, light discing, or by any other means which does not destroy the finished cross section of the prepared areas, and which is satisfactory to the Engineer. Mulch may be placed on slopes as steep as 2:1 using a tracked vehicle to imb the mulch into the slope. Where specified, mulch shall be bituminous treated in accordance with current specifications and or special provisions.

When grassing operations begin, mulch shall be left in place and plowed into the soil during the process of seedbed preparation, thereby becoming beneficial plant food for the newly planted grass. Mulch required for protection of newly planted grass shall be in addition to the mulch specified herein.

Waste Disposal

Construction waste or debris shall be prevented from being allowed to fall or be placed into wetlands, or waters of the state.

Maintenance

All sediment control devices (except sediment basins) installed on a project shall as a minimum, be cleaned of sediment when one-half the capacity, by height, depth, or volume has been reached. Sediment basins shall be cleaned of sediment when one-third the capacity by volume has been reached.

As a minimum the Contractor shall complete the permanent grassing, or temporary grassing and or mulching as appropriate, on all cut and fill slopes on a weekly basis during grading operations, except projects with a total of 3 acres or less of grassing may be treated every two weeks. When conditions warrant, the Engineer may require more frequent intervals for this work.

Inspections

All inspections shall be documented on form DOT-EC-1.

Daily:

Daily inspections shall be conducted by the WECS or qualified personnel on the following areas:

- petroleum product storage, usage and handling areas
- all locations where vehicles enter/exit the site

Weekly and after Rainfall Events:

The following areas shall be inspected by the WECS or qualified personnel every seven (7) calendar days and within twenty-four (24) hours of the end of a rainfall event that is 0.5 inches or greater:

- disturbed areas not permanently stabilized
- material storage areas
- structural control measures (BMP's)

Within 7 calendar days after the initial installation of the erosion control devices required by the erosion control plan, the Engineer shall inspect the installation and condition of each device. This inspection shall be performed for each stage of construction when new devices are installed. All deficiencies shall be reported in writing to the Contractor and corrections shall be made within two business days.

Monthly:

Once per month, the WECS or qualified personnel shall inspect all areas where final stabilization has been completed. These areas shall be inspected for evidence of sediments or pollutants entering the drainage system and or receiving waters. Any erosion control devices that remain in place shall be inspected to verify the maintenance status and that the devices are functioning properly.

These inspections shall continue until the Notice of Termination is submitted.

Failure to perform inspections as required by this Specification and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the current specifications and or special provisions.

NON-STORM WATER DISCHARGES

Non-storm water discharges as defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced and shall be subject to the same requirements as storm water discharges as required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual For Erosion and Sediment Control in Georgia, Department Standards, Department Specifications and Department Special Provisions.

PETROLEUM SPILLS & LEAKS

Any leaks or spills of petroleum products will be the responsibility of the contractor to contain, control, and remediate in accordance with all local, state and federal guidelines, ordinances, and laws.

Control of Pollutants: Pollutants or potentially hazardous materials, such as fuels, lubricants, lead paint, chemicals or batteries, shall be transported, stored and utilized in a manner to prevent leakage or spillage into the environment. The Contractor shall also be responsible for proper and legal disposal of all such materials. Equipment, especially concrete or asphalt trucks, shall not be washed or cleaned out on the Project except in areas where unused product contaminants can be prevented from entering waterways.

SEDIMENT BASINS

Sediment basins will be utilized at all outfall locations except as noted below:

Sta 20+30 (SR 140): A Sediment Basin is not used at this location. The disturbed area within the drainage area is 2.67 acres.

Sta 3+92 (Big Springs Rd): A Sediment Basin is not used at this location. The disturbed area within the drainage area is 0.34 acres.

Sta 5+50 (Big Springs Rd): A Sediment Basin is not used at this location. The disturbed area within the drainage area is 0.34 acres.

The disturbance activities consist of clearing and grubbing, slope construction, and side road tie ins. BMP's as shown on the erosion control plans will be adequate to control sediment runoff at these locations. Land disturbance activities associated with constructing and removing a sediment basin at these locations would cause additional adverse impacts.

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|-------|----------------|-----------|--------------|
| GA | STP-187-1(26) | 175 | 195 |

| | | DATE | REVISION | DATE | REVISION | DATE | REVISION | GEORGIA DEPARTMENT OF TRANSPORTATION BMP GENERAL NOTES COUNTY: CHEROKEE | 51-01 |
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